

EAST Search History

Ref #	Pats	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	111379	energy near5 (lower\$4 or minimi\$4)	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/10/19 20:58
L2	111386	energy near5 (lower\$4 or minimi\$5)	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/10/19 20:59
L3	10107	energy near5 (lower\$4 or minimi\$5) near2 (use or usage or consuming or consume\$4 or consumption)	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/10/19 21:00
L4	10	energy near5 (lower\$4 or minimi\$5) near2 (use or usage or consuming or consume\$4 or consumption) near40 pellet	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/10/19 21:01

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L5	348	energy near5 (lower\$4 or minimi\$5) near2 (use or usage or consuming or consume\$4 or consumption) and pellet	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/10/19 21:01
L6	3	energy near5 (lower\$4 or minimi\$5) near2 (use or usage or consuming or consume\$4 or consumption) and pellet and polyethylene near terephthalate	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/10/19 21:02
L7	106	energy near5 (lower\$4 or minimi\$5) near2 (use or usage or consuming or consume\$4 or consumption) and pellet and polymeriz\$5	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/10/19 21:01
L8	29	energy near5 (lower\$4 or minimi\$5) near2 (use or usage or consuming or consume\$4 or consumption) and pellet and polyethylene near2 terephthalate	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/10/19 21:02
L9	29	energy near5 (lower\$4 or minimi\$5) near2 (use or usage or consuming or consume\$4 or consumption) and pellet\$4 and polyethylene near2 terephthalate	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/10/19 21:02

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L10	25	energy near2 (lower\$4 or minimi\$5) near2 (use or usage or consuming or consume\$4 or consumption) and pellet\$4 and polyethylene near2 terephthalate	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/10/19 21:02
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Web Results 1 - 10 of about 90 for (energy consumption lower) and reactor and (polyethylene terephthalate)

Scholarly articles for (energy consumption lower) and reactor and (polyethylene terephthalate) and (amorphous pellet) and (solid state polymerization) and heat and cool and crystallize



[A novel non-phosgene polycarbonate production process ...](#) - Fukuoka - Cited by 8

[Modeling and analysis of new processes for polyester and ...](#) - Yao - Cited by 6

[Polymer/layered silicate nanocomposites: a review from ...](#) - Ray - Cited by 231

[Micronized particles - Patent 6503616](#)

Commercially **polyethylene terephthalate** chips produced in melt phase **polymerization** plants are subsequently processed in **solid state polymerization** plants ...

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[Process for pellet formation from amorphous polyester - Patent 5540868](#)

For improved **solid-state polymerization**, the particles should preferably be robust ... For example, an essentially-**amorphous polyethylene terephthalate** may, ...

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[PDF] ["Continuous Solid-State Polycondensation of Polyesters". In ...](#)

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Jabarin, S. A. and Lofgren, E. A., **Solid state polymerization** of ... **crystallization** kinetics of **polyethylene terephthalate**: mathematical mod- ...

doi.wiley.com/10.1002/0470090685.ch4 - [Similar pages](#)

[PDF] [Chemical Recycling of PET: Methods and Products](#)

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state than in the **solid state** [111112]; therefore, it is advantageous for the ... porating postconsumer recycled **polyethylene terephthalate**: a new polyester ...

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Solid state polymer extrusion has certain similarities with cold extrusion of ... **Polyethylene terephthalate** or PET is the polymer most widely used in ...

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APET, **Amorphous Polyethylene Terephthalate** ... **Solid-state** creep tests are used to measure long term behavior of mechanically loaded material. ...

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orientation in the polymer by **solid state** drawing processes such as die ... For example,

low density polyethylene exhibits desirable properties such as ...

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100-kW-class **solid-state** laser for the. High **Energy** Laser Strategic Test Facility. (HELSTF) in New Mexico. The HELSTF. laser is based on LLNL's **heat-** ...

www.osti.gov/bridge/servlets/purl/793681-yJ28cy/native/793681.pdf - [Similar pages](#)

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recycle **polyethylene terephthalate** (PET) or high-density **polyethylene** (HDPE) exist ... reduction in furnace fuel requirements owing to **lower heat** burden for ...

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"Smart" **Solid-State** Light Sources Have Potential for Significant **Energy** ... Huntsman to Purchase Technology for World-Scale **Low Density Polyethylene** Plant ...

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Polyethylene consumption in Egypt according to its density (1998). ... involves **lower energy** requirements in processing ...

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Wellman Order **Solid State Polymerization** Unit from Buehler ... Eastman Introduces **Pellet** form of its **Amorphous** Polyolefin ...

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The macroscopic behaviour of polymeric materials in the **solid state** are determined by ... prepared with negligible **energy consumption** and incorporate large ...

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polymer, as seen from the change in **heat** of fusion and **crystallization**. temperature. ... synthesis and **solid-state** characterization of new nanoporous and **low** ...

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cles represent the transition regime between molecular and **solid state** ... **polyethylene terephthalate** (PETP) foams - Specifically designed and pre- ...

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polyethylene produced is consumed in the film market. Due to its **low** cost, ... **amorphous** part of the poly- or lose **energy** and thus contribute towards the ...

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As compared with compression **heat** pumps, ALBHP has **lower energy consumption**. The system is fire- and explosion-proof. Pilot samples of **heat** pumps have been ...
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DoD SBIR FY00.2 - SOLICITATION SELECTIONS w/ ABSTRACTS

Total field-use **energy consumption** includes not just steady-state operation, ... Micron sized fiber battings of molten **polyethylene terephthalate** (PET), ...
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elements heating, the **heat** loss being smaller, adjusting the **energy consumption** for the developing of the fluidized **state**. ...
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energy consumption. fuel **consumption**. oxygen **consumption**. propellant **consumption** ... low density research. carrier density (**solid state**). density wave model ...
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metal catalysts to **lower energy** inputs. Increasingly, the use of supercritical ... The **crystallized** prepolymer beads underwent a **solid-state. polymerization** ...
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Like **energy consumption** there is a close association between plastics **consumption** and per capita ... **crystallized, solid** polylactic acid **pellets** by ...
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freezing- to pass from the liquid to the **solid state** by loss of **heat**. ... PET- **polyethylene terephthalate**. A type of plastic that can be recycled and melted ...
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of **polyethylene Terephthalate** (PET) as a transparent barrier adapted to ... to yield an

amorphous melt and followed by **solid state. polymerization.** ...

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Compositions comprising an hiv protease inhibitor patent invention

In one aspect, the **solid amorphous** dispersion comprises at least about 30 wt ... is designed such that there is sufficient **heat** and mechanical **energy** (e.g., ...
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Through the **energy consumption** labeling law (EnVKG) and the ordinance ... macroradicals in the **solid state** is highly restricted, **low** molecular weight ...
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in **amorphous state**, is drawn at least two times along vertical and ... Advantage: Straining the **polyethylene terephthalate** substrate while coating ...
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57, 54, AAC3062284, Improved thermally stable poly(ethylene **terephthalate**) (PET): **Solid state polymerization** of PET, Kim, Tae-young, THE UNIVERSITY OF ...
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The **solid state** dye-sensitized solar cells (DSSCs) are shown **low** ... enhanced chemical vapor deposition (PECVD) on **polyethylene terephthalate** (PET) ...
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Additionally, **lower energy** is required for processing ... can be measured in the **solid state** below the melting point of the polymer. ...
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heat of reaction, with water vapor being formed, a process for optimizing the specific **energy consumption** is proposed. In this, the ...
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